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FIG 1

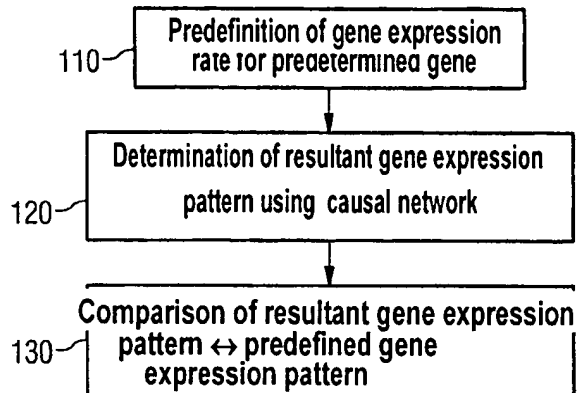


FIG 2

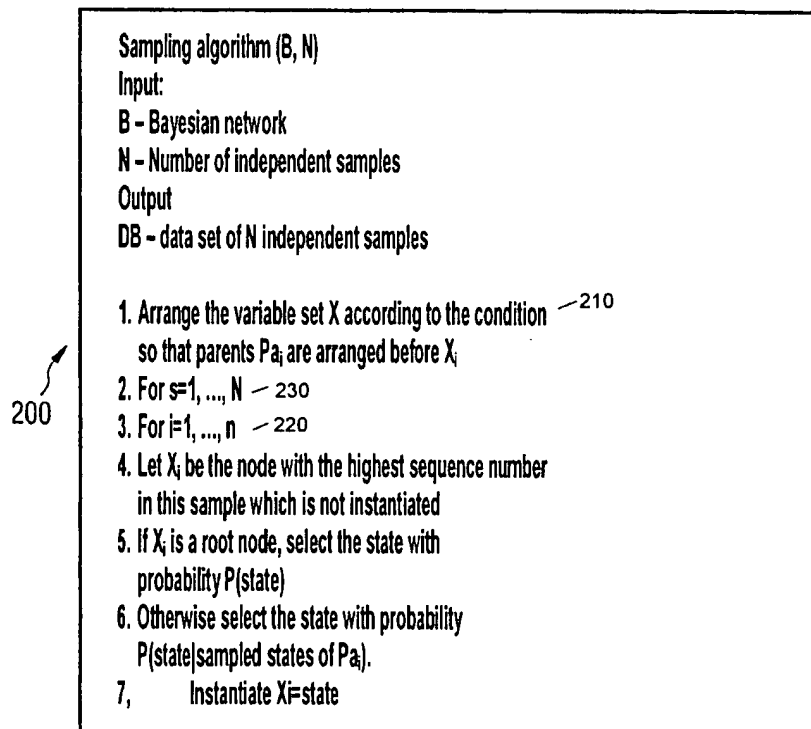


FIG 3

Interventional sampling algorithm (B,E,N)

Input:

B - Bayesian network

E - Set of observations ³¹⁰

N - Number of independent samples

Output:

$D_{B|E}$ - data set of N independent samples for given E. ³³⁰

XE - Set of observed variables; ³²⁰

$X_q = \{X_i | X_i \in XE\}$ - Set of request variables

1. Arrange X_q according to the condition that
parents Pa_i are arranged before X_i

2. For $s=1, \dots, N$

3. For $i=1, \dots, n$

4. Let X_i be the node with the highest sequence number
in this sample which is not instantiated

5. If X_i is a root node, select the state with
probability $P(\text{state}|E)$

6. Otherwise select the state with probability
 $P(\text{state}|\text{sampled states of } Pa_i, E)$.

7, Instantiate $X_i = \text{state}$

FIG 4

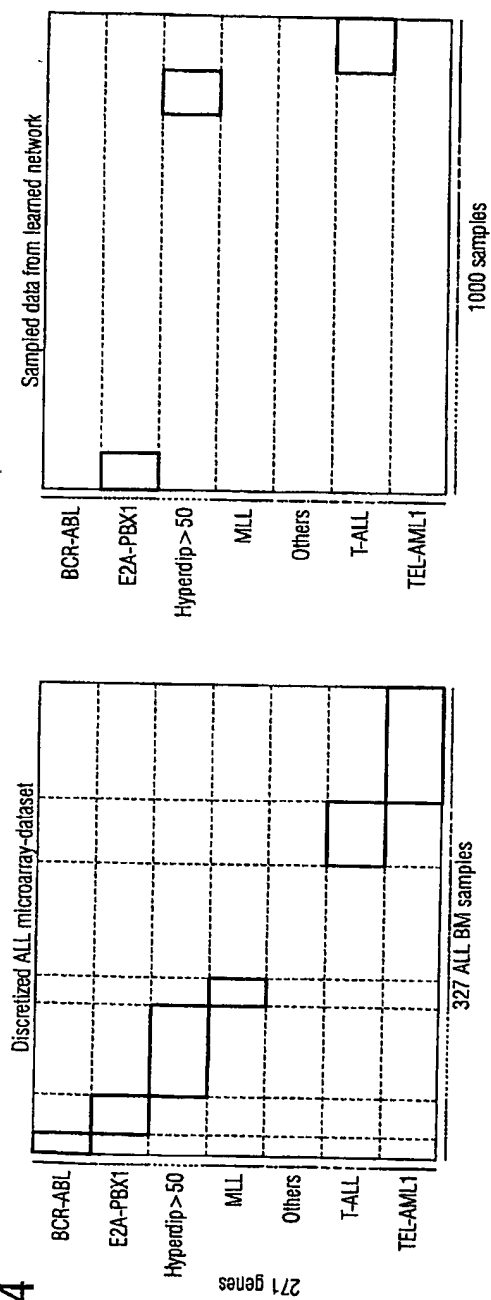
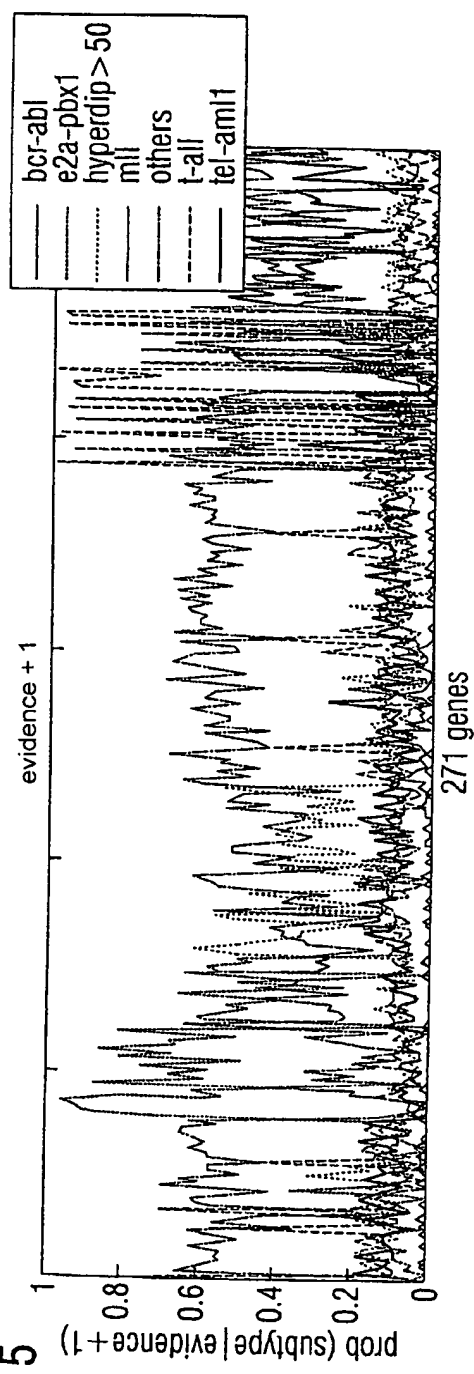


FIG 5



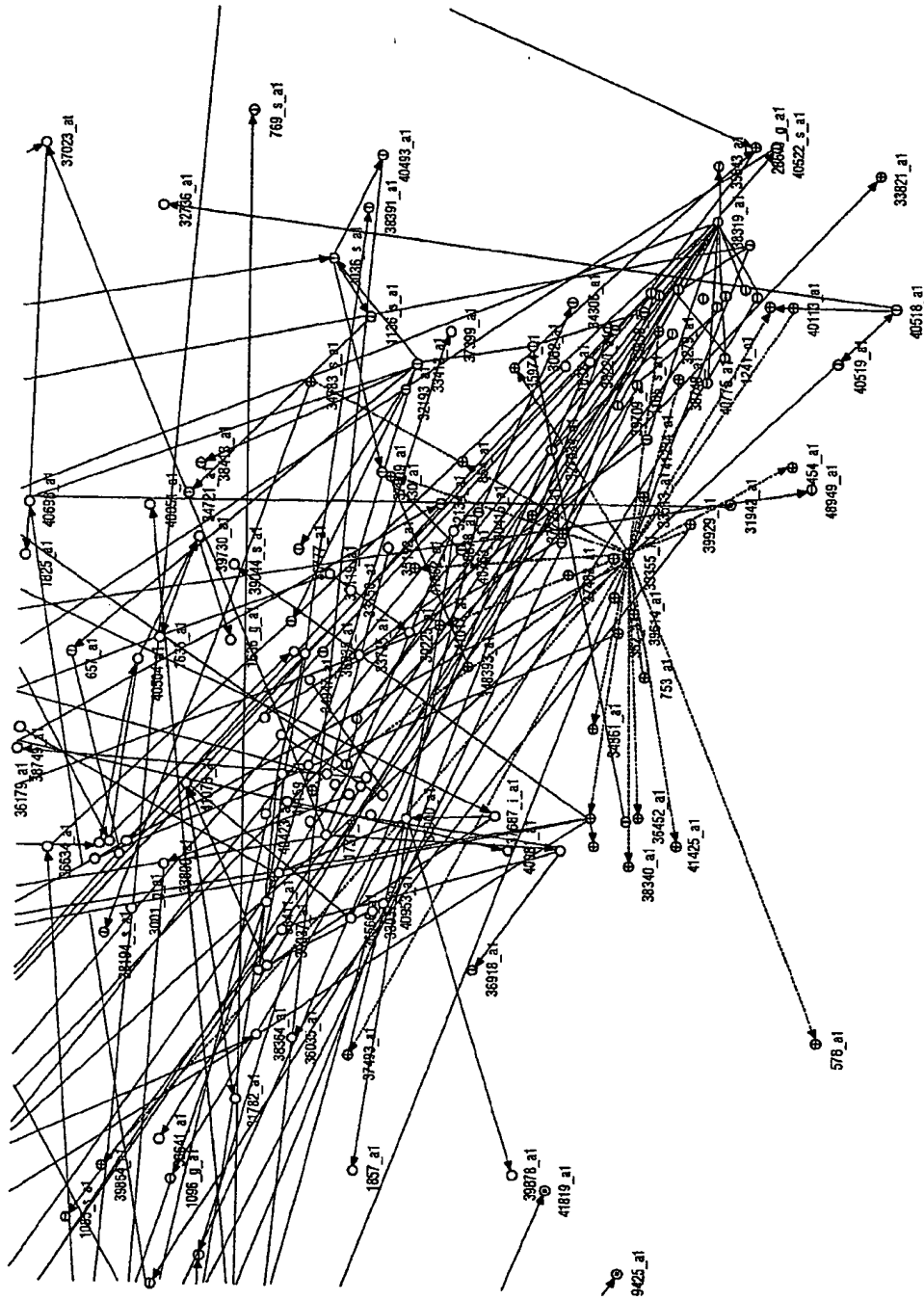


FIG 6

REPLACEMENT SHEET (RULE 26)